

IN THE CLAIMS

The following are Claims 1-28.

1. (currently amended) An interface device for connecting a camera that captures video images in the non-visible electromagnetic spectrum to a camcorder, the camcorder having a hot shoe, the camera having a connector, comprising:

a mechanical interconnect adapted to couple the camera to the camcorder and further adapted to provide power to the camera via the hot shoe, wherein a portable video imaging system is formed and wherein the mechanical interconnect comprises:

a baseplate having a bottom surface to which the camera is secured;

an upper plate connected to and spaced apart from said bottom surface of said baseplate, wherein said upper plate comprises a rear flange extending substantially upward therefrom and having a cutout therethrough; and

a mount extending from said baseplate, said mount connectable to the hot shoe.

2. (canceled)

3. (canceled)

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4. (canceled).

5. (currently amended) The interface device of claim 1 ~~[[4]]~~, further comprising a first connector attached to said rear flange, said first connector connectable to the connector on the camera.

6. (previously presented) The interface device of claim 5, further comprising a casing attached to said baseplate, said casing partially enclosing said first connector.

7. (currently amended) The interface device of claim 1 ~~[[3]]~~, further comprising a video cable extending between the camera and the camcorder.

8. (original) The interface device of claim 7, wherein said baseplate further comprises:

an outer wall;

an aperture in said outer wall; and

a curved passageway adjacent said aperture;

wherein said video cable extends through the space between the camera and said baseplate, through said curved passageway and through said aperture in said outer wall.

9. (currently amended) The interface device of claim 1 ~~[[3]]~~, wherein

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said mount further comprises an upper platform,

said baseplate further comprises an aperture therethrough, and

said mount extends through said aperture to position said upper platform between said bottom surface of said baseplate and said upper plate, said upper platform trapped therebetween to secure said mount to said baseplate.

10. (currently amended) The interface device of claim 1 ~~[[2]]~~, wherein ~~said baseplate comprises a bottom surface,~~ further comprising a plurality of posts extending upward from said bottom surface.

11. (original) The interface device of claim 10, wherein each said post comprises an aperture therethrough and the camera includes apertures corresponding to said apertures in said posts, further comprising a plurality of fasteners, each fastener extending through one aperture and into the camera, whereby the camera is secured to said baseplate.

12. (currently amended) The interface device of claim 10, wherein each said post comprises an aperture therethrough, further comprising:

~~an upper plate connected to and spaced apart from~~
~~said bottom surface of said baseplate, said upper plate~~

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comprising apertures corresponding to said apertures in said ports; and

a plurality of fasteners, each fastener extending through one aperture and into the camera.

13. (currently amended) The interface device of claim 1 ~~[[2]]~~, further comprising a power connection between said mount and the camera.

14. (original) The interface device of claim 13, wherein said power connection comprises a wire contained entirely within the interface device.

15. (currently amended) The interface device of claim 1 ~~[[2]]~~, further comprising a control cable extending between the camera and the camcorder.

16. (original) The interface device of claim 15, wherein said control cable is contained entirely within the interface device.

17. (original) The interface device of claim 1, wherein at least a portion of said mechanical interconnect is integral to the camera.

18. (previously presented) An interface device for connecting a camera that captures video images in the non-

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visible electromagnetic spectrum to a camcorder, the camcorder having a hot shoe, the camera having a connector, comprising:

a mount comprising a hot shoe mount connectable to the hot shoe;

a baseplate secured to said mount, said baseplate comprising

a bottom surface,

an outer wall, and

an aperture in said outer wall;

an upper plate connected to and spaced apart from said bottom surface of said baseplate, said upper plate comprising a rear flange extending therefrom; said rear flange comprising a cutout therethrough, wherein said camera is secured to said upper plate;

a first connector attached to said rear flange, said first connector connectable to the connector on the camera;

a video cable extending from said first connector attached to said rear flange through the space between said upper plate and said bottom surface of said baseplate, and through said aperture in said outer wall; and

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a power cable connecting said hot shoe mount to said first connector attached to said rear flange.

19. (currently amended) A system for recording video images ~~in a set of wavelengths other than visible light wavelengths~~, comprising:

a camera that captures the video images in the non-visible electromagnetic spectrum;

a camcorder having a hot shoe and adapted to capture video images in the visible electromagnetic spectrum; and

an interface device that mechanically and electrically connects said camera to said camcorder such that the camcorder selectively records the video images in the visible or non-visible electromagnetic spectrum, with power provided from the camcorder to the camera via the hot shoe.

20. (original) The system of claim 19, wherein said camera captures video images in the infrared portion of the electromagnetic spectrum.

21. (currently amended) The system of claim 19, wherein said interface device further comprises a power connection between said camera and said camcorder to provide additional power from the camcorder to the camera.

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22. (original) The system of claim 19, wherein said interface device further comprises a video data connection between said camera and said camcorder routed through the interface device.

23. (original) The system of claim 19, wherein said interface device further comprises a control signal connection between said camera and said camcorder.

24. (canceled)

25. (canceled)

26. (canceled)

27. (canceled)

28. (New) The system of claim 19, wherein the interface device further comprises:

a hot shoe mount adapted to couple to the hot shoe;

an interface plate coupled to the hot shoe mount and adapted to securely connect to the camera.

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